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## **CLAIMS**

- 1. A liquid, aqueous composition, comprising
  - (i) a modified factor VII polypeptide;
  - (ii) an agent suitable for keeping pH in the range of from about 4.0 to about 8.0;
  - (iii) an antioxidant; and
  - (iv) an agent selected from the list of: a calcium salt, a magnesium salt, or a mixture thereof.
- 2. A composition according to claim 1, wherein the pH is kept in the range of from about 4.0 to about 7.0.
  - 3. A composition according to claim claim 1, wherein the antioxidant (iii) is selected from the group consisting of: L- or D-methionine, a methionine analogue, a methionine-containing peptide, a methionine-homologue, ascorbic acid, cysteine, homocysteine, gluthatione, cystine, and cysstathionine.
  - 4. A composition according to claim 3, wherein the antioxidant is L-methionine.
- 5. A composition according to claim 1, wherein the antioxidant is present in a concentration of from about 0.1 to about 5.0 mg/ml.
  - 6. A composition according to claim 1, further comprising (v) a tonicity modifying agent.
- 7. A composition according to claim 6, wherein the tonicity modifying agent (v) is selected from the group consisting of: a neutral salt; a mono-, di- or polysaccharide; a sugar alcohol; an amino acid; or a small peptide, and a mixture of at least two of said modifying agents.
- 8. A composition according to claim 7, wherein tonicity modifier is mannitol and/or a neutral salt.
  - 9. A composition according to claim 6, wherein the tonicity modifying agent (v) is present in a concentration of from 1 mM to 500 mM
- 35 10. A composition according to claim 9, wherein the concentration is 10 250 mM.
  - 11. A composition according to claim 1, further comprising (vi) a non-ionic surfactant.

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- 12. A composition according to claim 11, wherein the non-ionic surfactant is a polysorbate or a polyamer or a polyayethylene alkyl ether.
- 13. A composition according to claim 1, wherein the agent (ii) suitable for keeping pH in the range of from about 4.0 to about 8.0 is selected from the group consisting of acids and salts of: citrate, acetate, histidine, malate, phosphate, tartaric acid, succinic acid, MES, HEPES, Imidazol, TRIS, lactate, glycylglycin, PIPES, glycin, and a mixture of at least two of said agents.
- 14. A composition according to claim 13, wherein the concentration of the agent (ii) is fromabout 1 mM to about 50 mM.
  - 15. A composition according to claim 14, wherein the concentration of the agent (ii) is about 10 mM.
- 16. A composition according to claim 1, wherein the calcium and/or magnesium salt (agent (iv)) is present in a concentration of from about 5 mM to about 150 mM.
  - 17. A composition according to claim 1, wherein the calcium salt is selected from the group consisting of: calcium chloride, calcium acetate, calcium gluconate, and calcium laevulate.
  - 18. A composition according to claim 1, wherein the magnesium salt is selected from the group consisting of: magnesium chloride, magnesium acetate, magnesium sulphate, magnesium gluconate, and magnesium laevulate.
- 19. A composition according to claim 1, further comprising (vii) a preservative selected from the group consisting of phenol, benzyl alcohol, orto-cresol, meta-cresol, para-cresol, methyl paraben, propyl paraben, benzalconium chloride, and benzaethonium chloride.
  - 20. A composition according to claim 1, wherein said composition is isotonic.
  - 21. A composition according to claim 1, which is formulated for pharmaceutical administration.
  - 22. A composition according to claim 1, wherein said modified Factor VII polypeptide is stable for at least 6 months at 2-8°C.
  - 23. A composition according to claim 1, wherein the modified factor VII polypeptide has a biological activity relative to wild-type factor VIIa of less than about 25% of the specific activity of

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wild-type factor VIIa when tested in one or more of a clotting assay, proteolysis assay, or TF binding assay.

24. A composition according to claim 1, wherein the modified factor VII polypeptide is selected from the group consisting of: human and bovine factor VII, wherein the active site residue Ser344 is modified, replaced with Gly, Met, Thr, or Ala; human factor VII, wherein the residue Lys341 is replaced; human factor VII, wherein the residue Asp242 is replaced; human factor VII, wherein the residue His193 is replaced; FVII-(K341A); FVII-(S344A); FVII-(D242A); FVII-(H193A); a factor VII polypeptide modified in the active site by reaction with a reagent selected from the list of: peptide chloromethylketones or peptidyl cloromethanes; azapeptides; acylating agents such as various guanidinobenzoate derivatives and 3-alkoxy-4-chloroisocoumarins; sulphonyl fluorides such as phenylmethylsulphonylfluoride (PMSF); diisopropylfluorophosphate (DFP); tosylpropylchloromethyl ketone (TPCK); tosylysylchloromethyl ketone (TLCK); nitrophenylsulphonates; heterocyclic protease inhibitors such as isocoumarines, and coumarins; a factor VII polypeptide modified in the active site by reaction with a reagent selected from the list of: L-Phe-Phe-Arg chloromethyl ketone, D-Phe-Phe-Arg chloromethyl ketone, L-Phe-Pro-Arg chloromethyl ketone, D-Phe-Pro-Arg chloromethyl ketone, L-Glu-Gly-Arg chloromethyl ketone, D-Glu-Gly-Arg chloromethyl ketone, Dansyl-L-Phe-Phe-Arg chloromethyl ketone, Dansyl-D-Phe-Phe-Arg chloromethyl ketone, Dansyl-L-Phe-Pro-Arg chloromethyl ketone, Dansyl-D-Phe-Pro-Arg chloromethyl ketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, and Dansyl-D-Glu-Gly-Arg chloromethylketone.

25. A composition according to claim 24, wherein the modified factor VII polypeptide is selected from the group consisting of: FVII-(S344A); FVII-(H193A); and a factor VII polypeptide modified in the active site by reaction with a reagent selected from the group consisting of: L-Phe-Phe-Arg chloromethyl ketone, D-Phe-Phe-Arg chloromethyl ketone, L-Phe-Pro-Arg chloromethyl ketone, D-Phe-Pro-Arg chloromethyl ketone, D-Glu-Gly-Arg chloromethyl ketone, D-Glu-Gly-Arg chloromethyl ketone, Dansyl-L-Phe-Phe-Arg chloromethyl ketone, Dansyl-D-Phe-Pro-Arg chloromethyl ketone, Dansyl-L-Glu-Gly-Arg chloromethyl ketone, Dansyl-L-Glu-Gly-Arg chloromethyl ketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, Dansyl-L-Glu-Gly-Arg chloromethylketone, and Dansyl-D-Glu-Gly-Arg chloromethylketone.

26. A composition according to claim 1, wherein the modified factor VII polypeptide is present in a concentration of from about 0.1 mg/ml to about 15 mg/ml.

27. A method for preparing a liquid aqueous composition of a modified factor VII polypeptide, comprising providing a modified factor VII polypeptide in a solution comprising (ii) an agent suitable for keeping pH in the range of from about 4.0 to about 8.0; (iii) an antioxidant; and (iv) an agent selected from the list of: a calcium salt, a magnesium salt, or a mixture thereof.

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- 28. A method for inhibiting blood clotting in a subject, the method comprising administering to a subject in need thereof an effective amount of an aqueous liquid composition comprising (i) a modified factor VII polypeptide, (ii) an agent suitable for keeping pH in the range of from about 4.0 to about 8.0; (iii) an antioxidant; and (iv) an agent selected from the list of: a calcium salt, a magnesium salt, or a mixture thereof.
- 29. A method for inhibiting tissue factor mediated reactions in a subject, the method comprising administering to a subject in need thereof an effective amount of an aqueous liquid composition comprising (i) a modified factor VII polypeptide, (ii) an agent suitable for keeping pH in the range of from about 4.0 to about 8.0; (iii) an antioxidant; and (iv) an agent selected from the list of: a calcium salt, a magnesium salt, or a mixture thereof.